

### Abstract

A blower housing may be used with a climate control furnace or with a water heater and provides cooling of the motor that rotates the blower fan and  
5 also provides dilution and cooling of exhaust gases drawn from the furnace or water heater. The housing is constructed with one side that is positioned in a single plane that is easily mounted to a flat surface of the furnace or water heater and can be sealed against the surface. The housing is provided with  
10 an interior heat shield that insulates the exterior surface of the housing and with a noise muffler.